| L Number | Hits | Search Text  | DB        | Time stamp           |
|----------|------|--|-----------|----------------------|
| 1        | 37   | (US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or            | USPAT;    | 2004/10/12 08:54     |
|          |      | US-5870212-\$ or US-6721502-\$ or US-5805320-\$ or             | US-PGPUB; | , , , , , , ,        |
|          |      | US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or             | DERWENT   |                      |
|          |      | US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or             |           |                      |
|          |      | US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or             |           |                      |
|          |      | US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or             |           |                      |
|          |      | US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or             |           |                      |
|          |      | US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or             |           |                      |
|          |      | US-5442623-\$ or US-5179548-\$).did. or                        |           |                      |
|          |      | (US-20020018616-\$ or US-20030194231-\$ or                     |           |                      |
|          |      | US-20030215231-\$ or US-20020114031-\$ or                      |           |                      |
|          |      | US-20020075538-\$ or US-20020071154-\$ or                      |           |                      |
|          |      | US-20020067883-\$ or US-20020067523-\$ or                      |           |                      |
| :        |      | US-20020048066-\$).did. or (US-5875272-\$ or                   |           |                      |
|          |      | EP-949777-\$).did.   |           |                      |
| 2        | 9    | ((US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or           | USPAT;    | 2004/10/12 08:59     |
| -        |      | US-5870212-\$ or US-6721502-\$ or US-5805320-\$ or             | US-PGPUB; | 200 1, 10, 12 00.55  |
|          |      | US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or             | EPO; JPO; |                      |
|          |      | US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or             | DERWENT;  |                      |
|          | 1    | US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or             | IBM_TDB   |                      |
|          |      | US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or             | 1011_100  |                      |
|          |      | US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or             |           |                      |
|          |      | US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or             |           |                      |
|          |      | US-5442623-\$ or US-5179548-\$).did. or                        |           |                      |
|          |      | (US-20020018616-\$ or US-20030194231-\$ or                     |           |                      |
|          |      | US-20030215231-\$ or US-20020114031-\$ or                      |           |                      |
|          |      | US-20020075538-\$ or US-20020071154-\$ or                      |           |                      |
|          |      | US-20020067883-\$ or US-20020067523-\$ or                      |           |                      |
|          |      | US-20020048066-\$).did. or (US-5875272-\$ or                   |           |                      |
|          |      | EP-949777-\$).did.) and (stag\$4 matrix\$2)                    |           |                      |
| 3        | 22   | (non-block\$4 near3 optical\$4 near3 (switch\$4 matrix         | USPAT;    | 2004/10/12 09:03     |
|          |      | fabric\$4 stag\$4)).ab.  | US-PGPUB; | 200 1, 20, 22 03 100 |
|          |      |  | EPO; JPO; |                      |
|          |      |  | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
| 4        | 70   | (non-block\$4 near3 optical\$4 near3 (switch\$4 matrix         | USPAT;    | 2004/10/12 10:28     |
|          |      | fabric\$4 stag\$4)).bsum.                                      | US-PGPUB; | , ,                  |
|          |      | · · · · · · · · · · · · · · · · · · ·                          | EPO; JPO; |                      |
|          |      |  | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
| 5        | 66   | ((non-block\$4 near3 optical\$4 near3 (switch\$4 matrix        | USPAT;    | 2004/10/12 10:04     |
|          |      | fabric\$4 stag\$4)).bsum.) not ((non-block\$4 near3 optical\$4 | US-PGPUB; |                      |
|          |      | near3 (switch\$4 matrix fabric\$4 stag\$4)).ab.)               | EPO; JPO; |                      |
|          |      | 31 77  | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
| 6        | 162  | switch\$4 near10 optical\$1 near10 channel\$1 near10           | USPAT;    | 2004/10/12 10:09     |
|          |      | (protect\$4 standby\$1 spare) near10 channel\$1                | US-PGPUB; |                      |
|          |      |  | EPO; JPO; |                      |
|          |      |  | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
| 7        | 50   | (switch\$4 near10 optical\$1 near10 channel\$1 near10          | USPAT;    | 2004/10/12 10:13     |
|          |      | (protect\$4 standby\$1 spare) near10 channel\$1).bsum.         | US-PGPUB; | ' '                  |
|          |      |  | EPO; JPO; |                      |
|          |      |  | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
| 8        | 0    | ((non-block\$4 near3 optical\$4 near3 (switch\$4 matrix        | USPAT;    | 2004/10/12 10:13     |
|          |      | fabric\$4 stag\$4)).bsum.) and ((switch\$4 near10 optical\$1   | US-PGPUB; | , ,                  |
|          |      | near10 channel\$1 near10 (protect\$4 standby\$1 spare)         | EPO; JPO; |                      |
|          |      | near10 channel\$1).bsum.)                                      | DERWENT;  |                      |
|          |      |  | IBM_TDB   |                      |
|          |      | <u> </u>   |           | l                    |

| 9  | 0        | (non-block\$4 near3 optical\$4 near3 (switch\$4 matrix  | USPAT;                  | 2004/10/12 10:13  |
|----|----------|---|-------------------------|-------------------|
|    |          | fabric\$4 stag\$4)) and (switch\$4 near10 optical\$1 near10   | US-PGPUB;               |                   |
|    |          | channel\$1 near10 (protect\$4 standby\$1 spare) near10  | EPO; JPO;<br>DERWENT;   |                   |
|    |          | channel\$1)   | IBM_TDB                 |                   |
| 10 | 26       | "5870212"   | USPAT;                  | 2004/10/12 10:28  |
| 10 | 20       | 3070212   | US-PGPUB;               | 2004/10/12 10.20  |
|    |          |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
|    |          |   | IBM_TDB                 |                   |
| 11 | 4        | (("5870212") or ("6735392")).PN.  | USPAT;                  | 2004/10/12 10:42  |
|    |          | , , , , , , , , , , , , , , , , , ,   | US-PGPUB;               |                   |
|    |          |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
|    |          |   | IBM_TDB                 |                   |
| 12 | 2        | ("6785438").PN.   | USPAT;                  | 2004/10/12 12:25  |
|    |          |   | US-PGPUB;               |                   |
|    |          |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
| 12 |          | /// Danda I.  | IBM_TDB                 | 2004/10/15 15 55  |
| 13 | 12       | ((input) and output and multiplex\$4 and demultiplex\$4) and  | USPAT;                  | 2004/10/12 12:32  |
|    |          | ((US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or  | US-PGPUB;               |                   |
|    |          | US-5870212-\$ or US-6721502-\$ or US-5805320-\$ or  | EPO; JPO;<br>  DERWENT; |                   |
|    |          | US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or | IBM_TDB                 |                   |
|    |          | US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or  | ם סוי_ויום ו            |                   |
|    |          | US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or  |                         |                   |
|    |          | US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or  |                         |                   |
|    |          | US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or  |                         |                   |
|    |          | US-5442623-\$ or US-5179548-\$).did. or   |                         |                   |
|    |          | (US-20020018616-\$ or US-20030194231-\$ or  |                         |                   |
|    |          | US-20030215231-\$ or US-20020114031-\$ or   |                         |                   |
|    |          | US-20020075538-\$ or US-20020071154-\$ or   |                         |                   |
|    |          | US-20020067883-\$ or US-20020067523-\$ or   |                         |                   |
|    |          | US-20020048066-\$).did. or (US-5875272-\$ or  |                         |                   |
| l  | _        | EP-949777-\$).did.)   |                         | 2004/40/42 42 26  |
| 14 | 7        | (input same output same shel\$4) and multiplex\$4 and   | USPAT;                  | 2004/10/12 12:36  |
|    |          | demultiplex\$4 and (optical\$1 near3 (switch\$4)).ab. and   | US-PGPUB;               |                   |
|    |          | 385/\$.ccls.  | EPO; JPO;               |                   |
|    |          |   | DERWENT;<br>IBM_TDB     |                   |
| _  | 258      | (dwdm).ti.  | USPAT;                  | 2004/10/11 11:06  |
|    | 250      | (dwam).d.   | US-PGPUB;               | 200 1/10/11 11:00 |
|    |          |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
|    |          |   | IBM_TDB                 |                   |
| -  | 5        | (dwdm).ti. and (ring\$1 near3 interconnect\$4)  | USPAT;                  | 2004/10/08 14:24  |
|    |          | · · · · · · · · · · · · · · · · · · ·   | US-PGPUB;               |                   |
|    |          |   | EPO; JPO;               |                   |
|    | 1        |   | DERWENT;                |                   |
|    |          |   | IBM_TDB                 | 0004/40/00 := ==  |
| -  | 198      | 398/5.ccls.   | USPAT;                  | 2004/10/08 15:09  |
|    |          |   | US-PGPUB;               |                   |
|    | 1        |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
| _  | 57       | <br>  398/4.ccls.   | IBM_TDB<br>USPAT;       | 2004/10/09 14:22  |
| -  | 3/       | 1990/ T.CCIS.   | US-PGPUB;               | 2004/10/08 14:23  |
|    | 1        |   | EPO; JPO;               |                   |
|    |          |   | DERWENT;                |                   |
|    |          |   | IBM_TDB                 |                   |
|    | <u> </u> | <u> </u>  | , 20, ,_ , 00           | <u> </u>          |

| - | 3568  | (dual\$1 near3 node\$1 near3 interconnect\$4) dri (dual\$1  | USPAT;    | 2004/10/08 14:05    |
|---|-------|---|-----------|---------------------|
|   |       | near3 hom\$4)   | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| _ | 1     | 398/5.ccls. and ((dual\$1 near3 node\$1 near3               | USPAT;    | 2004/10/08 14:06    |
| - | 1     | interconnect\$4) dri (dual\$1 near3 hom\$4))                | US-PGPUB; | 2001/10/00 11.00    |
|   |       | Interconnects 4) an (duals Fried 3 nons 4))                 |           |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| - | 0     | 398/4.ccls. and ((dual\$1 near3 node\$1 near3               | USPAT;    | 2004/10/08 14:06    |
|   |       | interconnect\$4) dri (dual\$1 near3 hom\$4))                | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| - | 211   | 398/59.ccls.  | USPAT;    | 2004/10/08 14:23    |
|   |       | ,   | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
|   | 3     | ((dual\$1 near3 node\$1 near3 interconnect\$4) dri (dual\$1 | USPAT;    | 2004/10/08 14:24    |
| - | 3     |   |           | 2004/10/00 14.24    |
|   |       | near3 hom\$4)) and 398/59.ccls.                             | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   | <u>_</u> <u>_</u> . |
| - | 10861 | ring\$1 near3 interconnect\$4                               | USPAT;    | 2004/10/08 14:24    |
|   |       |   | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| - | 54    | 398/59.ccls. and (ring\$1 near3 interconnect\$4)            | USPAT;    | 2004/10/08 14:41    |
|   |       |   | US-PGPUB; | , ,                 |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| _ | 4307  | match\$4 near3 node\$2                                      | USPAT;    | 2004/10/08 14:42    |
|   | 1307  | matchip r near 5 node \$2                                   | US-PGPUB; | 2001/10/00 11:12    |
|   |       |   |           |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   | 2004/40/00 44:40    |
| - | 36    | rings and 398/5.ccls.                                       | USPAT;    | 2004/10/08 14:48    |
|   |       |   | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| - | 11    | (shar\$4 near3 protect\$4 near3 span\$1) and ring\$1        | USPAT;    | 2004/10/11 11:08    |
|   |       |   | US-PGPUB; |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
|   |       |   | IBM_TDB   |                     |
| - | 6     | ("5717796"   "5903370"   "6046832"   "6052210"              | USPAT     | 2004/10/08 14:53    |
|   |       | "6295146"   "6222653").PN.                                  |           |                     |
| - | 0     | 6512611.URPN.   | USPAT     | 2004/10/08 14:57    |
| - | Ŏ     | 6512611.URPN.   | USPAT     | 2004/10/08 14:57    |
| _ | 3     | ("5179548"   "5442623"   "6202158").PN.                     | USPAT     | 2004/10/08 14:58    |
| _ | 2     | ( 5179346   5442025   0202138 ).FN.                         | USPAT;    | 2004/10/08 15:05    |
| - | 2     | ( 300 TO 17 J.F.W.  | US-PGPUB; | 2007/10/00 13.03    |
|   |       |   |           |                     |
|   |       |   | EPO; JPO; |                     |
|   |       |   | DERWENT;  |                     |
| L | 1     | <u></u>   | IBM_TDB   | l                   |

| 2   WO-9923773\$.did.   USPAT: US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT: US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT: U         |                |            | <b>Y</b>  |           |                     |
|---|----------------|------------|---|-----------|---------------------|
| EPO, JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;           | -              | 2          | WO-9923773\$.did.   | USPAT;    | 2004/10/08 15:06    |
| - 2 ("6154296").PN.   DERWENT; IBM_TDB USPAT; US-PGPUB; EPG, JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPG,         |                |            |   |           |                     |
| 2    "6154296").PN.   | 1              |            |   | EPO; JPO; |                     |
| 2   | ĺ              |            |   | DERWENT;  |                     |
| US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;           |                |            |   | IBM_TDB   |                     |
| US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;           | _              | 2          | ("6154296"),PN.   |           | 2004/10/08 15:06    |
| - 4 6154296 URPN. 398/1.ccls. USPAT,         |                | -          | ( 020 )   |           | 200 1, 20, 00 00100 |
| DERWENT;   IBM_TDB   USPAT   USPAT;            |                |            |   | •         |                     |
| 18M_TDB   19N_TDB   19N_          | 1              |            |   |           |                     |
| - 4 6154296.URPN. 398/1.ccls.         | l              |            |   |           |                     |
| USPAT;   DOWN/10/08 15:09   USPAT;   USP-6PUB;   EPO; JPO;   DERWENT;   IBM_TDB   USPAT;             |                |            | 6454206 UPPN  |           | 2004/40/00 45:07    |
| - 14 398/1.ccls. and (shar\$4 near3 protect\$4)  - 1866 370/216,217,221,222,223,225,224.ccls.  - 1876 370/216,217,221,222,223,225,224.ccls.  - 2004/10/08 17:31  - 2004/10/08 17:36   | ļ <del>-</del> | 1          |   |           |                     |
| - 14 398/1.ccls. and (shar\$4 near3 protect\$4)   | -              | 852        | 398/1.ccls.   |           | 2004/10/08 15:09    |
| - 14 398/1.ccls. and (shar\$4 near3 protect\$4)   |                |            |   |           |                     |
| - 14 398/1.cc/s. and (shar\$4 near3 protect\$4)   |                |            | '   |           |                     |
| - 1866 370/216,217,221,222,223,225,224.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PG        | l              |            |   | DERWENT;  |                     |
| - 1866 370/216,217,221,222,223,225,224.ccis.   US-PCPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB US-PCPU        |                |            |   | IBM_TDB   |                     |
| - 1866 370/216,217,221,222,223,225,224.ccls.   US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGP        | -              | 14         | 398/1.ccls. and (shar\$4 near3 protect\$4)                  |           | 2004/10/08 15:33    |
| EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM        | ļ              |            | , (, <b>-</b> , -,  |           | , ,                 |
| - 1866 370/216,217,221,222,223,225,224.ccls.   DERWENT; IBM_TDB   USPAT; US-PGPUB; POD JOERWENT   IBM_TDB   2004/10/08 17:31   USPAT; US-PGPUB; POD JOERWENT   IBM_TDB   2004/10/08 17:33   2004/10/08 17:33   2004/10/08 17:33   2004/10/08 17:34   2004/10/08 17:35   2004/10/08 17:36   2004/10/08 17:38          |                |            |   |           |                     |
| 1866   370/216,217,221,222,223,225,224.ccls.   IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US          |                | ļ          |   |           |                     |
| - 1866 370/216,217,221,222,223,225,224.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; ISPAT;         |                |            |   |           |                     |
| - 63 370/216,217,221,222,223,225,224.ccls. and (shar\$4 near3 protect\$4)   |                | 1000       | 270/246 247 224 222 222 225 224                             |           | 2004/10/00 15:22    |
| - 63 370/216,217,221,222,223,225,224.ccis. and (shar\$4 near3   LIBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_       | -              | 1800       | 3/U/210,21/,221,222,223,225,224.CCIS.                       |           | ZUU4/10/08 15:33    |
| - 63 370/216,217,221,222,223,225,224.ccls. and (shar\$4 near3 protect\$4)   |                | 1          |   |           |                     |
| The content of the           | 1              |            |   |           |                     |
| - 63 370/216,217,221,222,223,225,224.ccls. and (shar\$4 near3 protect\$4)   |                |            |   |           |                     |
| protect\$4)  protect\$4)    Duspart         |                |            |   | IBM_TDB   |                     |
| protect\$4)  protect\$4)    Duspart         | -              | 63         | 370/216,217,221,222,223,225,224.ccls. and (shar\$4 near3    | USPAT;    | 2004/10/08 17:31    |
| - 0 (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;    | 1              |            |   |           |                     |
| - 0 (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;    |                |            |   |           |                     |
| - 0 (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;    |                |            |   |           |                     |
| - (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JP    |                |            |   |           |                     |
| and 398/105,59.ccls.    US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT        |                |            | (chart4 poar2 protectt4 poar2 pluralt4 poar2 chappelt1)     |           | 2004/10/09 17:33    |
| EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM        | -              | J          |   |           | 2004/10/06 17.55    |
| - 8 (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1)  - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10  |                | İ          | and 398/105,59.CCIS.  |           |                     |
| - 8 (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1)  - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10  |                |            |   |           |                     |
| - (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; near3 channel\$1) not ((shar\$4 near10 plural\$4 near10 channel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JPO; |                |            |   |           |                     |
| US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; near3 channel\$1)   |                | ľ          |   |           |                     |
| - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10   | -              | 8          | (shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1) |           | 2004/10/08 17:36    |
| - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10   |                |            |   | US-PGPUB; |                     |
| - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10   |                |            |   | EPO; JPO; |                     |
| - 15 (shar\$4 near10 protect\$4 near10 plural\$4 near10   |                |            |   |           |                     |
| - (shar\$4 near10 protect\$4 near10 plural\$4 near10  - 7 ((shar\$4 near10 protect\$4 near10 plural\$4 near10   |                |            |   |           |                     |
| - To the channel of t        | l _            | 15         | (shar\$4 near10 protect\$4 near10 plural\$4 near10          |           | 2004/10/08 18:21    |
| - ((shar\$4 near10 protect\$4 near10 plural\$4 near10   |                |            |   | ,         |                     |
| - 7 ((shar\$4 near10 protect\$4 near10 plural\$4 near10   | ]              |            |   |           |                     |
| - ((shar\$4 near10 protect\$4 near10 plural\$4 near10   |                | ŀ          |   |           |                     |
| - ((shar\$4 near10 protect\$4 near10 plural\$4 near10   |                | 1          |   |           |                     |
| Channel\$1)   not ((shar\$4 near3 protect\$4 near3 plural\$4   US-PGPUB;    EPO; JPO;    DERWENT;    IBM_TDB    USPAT;    US-PGPUB;    EPO; JPO;    DERWENT;    IBM_TDB    USPAT;    US-PGPUB;    EPO; JPO;    DERWENT;    IBM_TDB    USPAT;    US-PGPUB;    EPO; JPO;    DERWENT;    US-PGPUB;    EPO; JPO;    DERWENT;    US-PGPUB;    EPO; JPO;    DERWENT;    DE      |                | _          | //sha h4 and 40 a sharth4 mag 40 all allh4 and 40           |           | 2004/10/00 17:35    |
| near3 channel\$1)   EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;  | -              | 7          |   |           | 2004/10/08 17:36    |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;  | 1              |            |   |           |                     |
| - 1288 398/1-5,59.ccls. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;   | 1              |            | near3 channel\$1) )   |           |                     |
| - 1288 398/1-5,59.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   |                | 1          |   | DERWENT;  |                     |
| - 1288 398/1-5,59.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   |                |            |   | IBM_TDB   |                     |
| US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;   | -              | 571        | (protect\$4 near10 plural\$4 near10 channel\$1)             |           | 2004/10/08 17:47    |
| EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DS-PGPUB; EPO; JPO; DERWENT;   |                | ļ <u>-</u> | ,                     |           |                     |
| DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;   |                |            |   |           |                     |
| - 1288 398/1-5,59.ccls. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;   | 1              |            |   |           |                     |
| - 1288 398/1-5,59.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   | ļ              |            |   |           |                     |
| US-PGPUB;<br>EPO; JPO;<br>DERWENT;  | 1              | 1000       | 200 /4 5 50 colo  |           | 2004/40/00 47 32    |
| EPO; JPO; DERWENT;  | -              | 1288       | 398/1-5,59.CCIS.  |           | 2004/10/08 17:38    |
| DERWENT;  |                |            |   |           | 1                   |
|   |                |            |   |           |                     |
| IBM_TDB   | Ī              | j          |   | DERWENT;  |                     |
|   |                |            |   | IBM_TDB   |                     |

| - | 18  | ((protect\$4 near10 plural\$4 near10 channel\$1) ) and 398/1-5,59.ccls. | USPAT;<br>US-PGPUB; | 2004/10/08 17:45  |
|---|-----|---|---------------------|-------------------|
|   |     |   | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| _ | 23  | ((protect\$4 near10 plural\$4 near10 channel\$1) ) and                  | USPAT;              | 2004/10/08 17:45  |
|   | 23  | 370/216,217,221,222,223,225,224.ccls.                                   | US-PGPUB;           | 200 1/10/00 17:15 |
|   |     | 3/0/210,21/,221,222,223,223,224.CCB.                                    | EPO; JPO;           |                   |
| 1 |     |   | DERWENT;            |                   |
|   |     |   |                     |                   |
|   | 40  | (   | IBM_TDB             | 2004/10/00 17.52  |
| - | 40  | (protect\$4 near10 plural\$4 near10 optical\$1 near10                   | USPAT;              | 2004/10/08 17:52  |
|   |     | channel\$1)   | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
| 1 |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| - | 31  | 398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3                   | USPAT;              | 2004/10/08 17:53  |
|   |     | optical\$1 near3 signal\$1)   | US-PGPUB;           |                   |
| l |     |   | EPO; JPO;           |                   |
| İ |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| - | 3   | ("5179548"   "5442623"   "6202158").PN.                                 | USPAT               | 2004/10/08 17:57  |
| - | 0   | 6421318.URPN.   | USPAT               | 2004/10/08 17:57  |
| - | 2   | gr-2918   | USPAT;              | 2004/10/08 18:21  |
|   | -   | <del>   </del>  | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
| İ |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             | }                 |
|   | 238 | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2004/10/08 18:34  |
| - | 236 |   |                     | 2004/10/06 16.54  |
|   |     | signal\$1).ab.  | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
| 1 |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             | 000444040040      |
| - | 3   | connect\$4 near10 any near10 work\$4 near10 channel\$1                  | USPAT;              | 2004/10/08 18:33  |
|   |     | near10 any near10 protect\$4 near10 channel\$1                          | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| - | 3   | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2004/10/08 18:37  |
|   |     | signal\$1).ab. and 398/1-5,59.ccls.                                     | US-PGPUB;           |                   |
| 1 |     |   | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| - | 48  | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2004/10/08 18:39  |
|   |     | signal\$1).ab. and 398/\$.ccls.   | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
| 1 |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             | 1                 |
| _ | 1   | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2004/10/08 18:39  |
|   |     | signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1              | US-PGPUB;           |                   |
|   |     | signalys).ab. and 550/p.ccis. and protectipt and imgps                  | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
|   | 3   | (multit4 page) channelt1 page) enticalt1 page?                          |                     | 2004/10/08 18:40  |
| _ | 3   | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2007/10/00 10.40  |
|   |     | signal\$1).ab. and 398/\$.ccls. and protect\$4                          | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |
| - | 0   | (multi\$4 near3 channel\$1 near3 optical\$1 near3                       | USPAT;              | 2004/10/08 18:40  |
|   |     | signal\$1).ab. and 370/\$.ccls. and protect\$4                          | US-PGPUB;           |                   |
|   |     |   | EPO; JPO;           |                   |
|   |     |   | DERWENT;            |                   |
|   |     |   | IBM_TDB             |                   |

| -          | 0    | (multi\$4 near3 channel\$1 near3 optical\$1 near3              | USPAT;    | 2004/10/08 18:47     |
|------------|------|--|-----------|----------------------|
|            |      | signal\$1).ab. and 370/\$.ccls.                                | US-PGPUB, |                      |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   |                      |
| ! <u>-</u> | 22   | (optical\$4 near3 cross\$4 near3 connect\$4).ab. and dwdm      | USPAT;    | 2004/10/08 18:48     |
|            | 22   | and ring\$1  | US-PGPUB; | 2001/10/00 10:10     |
|            | l    |  |           |                      |
|            |      |  | EPO; JPO; |                      |
| }          |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   |                      |
| -          | 2    | ("5875272").PN.  | USPAT;    | 2004/10/11 11:08     |
|            |      |  | US-PGPUB; |                      |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            | 1    |  | IBM_TDB   |                      |
| 1_         | 2534 | 385/\$.ccls. and ring\$1 and protect\$4                        | USPAT;    | 2004/10/11 11:08     |
| 1          | 2331 | 305/\$.ccis. and ring\$1 and protects r                        | US-PGPUB; | 200 1/10/11 11:00    |
|            |      |  |           |                      |
| 1          |      |  | EPO; JPO; | •                    |
|            |      |  | DERWENT;  |                      |
|            | _    |  | IBM_TDB   |                      |
| -          | 27   | (shar\$4 near3 protect\$4) and (385/\$.ccls. and ring\$1 and   | USPAT;    | 2004/10/11 11:48     |
|            |      | protect\$4)  | US-PGPUB; |                      |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   |                      |
| _          | 2    | ("5870212").PN.  | USPAT;    | 2004/10/11 12:54     |
|            | _    | ( 5070212 )  | US-PGPUB; | 200 ,, 20, 22 22.0 . |
|            |      |  | EPO; JPO; |                      |
|            |      |  |           |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   | 2004/40/44 42 02     |
| -          | 1    | (protect\$4 near3 plurali\$4 near3 channel\$1).ab. and         | USPAT;    | 2004/10/11 13:02     |
|            |      | 398/\$.ccls.   | US-PGPUB; |                      |
|            |      |  | EPO; JPO; |                      |
|            | 1    |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   |                      |
| -          | 0    | protect\$4 near3 span near3 plurali\$4 near3 channel\$1        | USPAT;    | 2004/10/11 13:02     |
|            |      |  | US-PGPUB; | · ·                  |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   | •                    |
| 1_         | 0    | protect\$4 near3 span\$1 near3 plurali\$4 near3 channel\$1     | USPAT;    | 2004/10/11 13:03     |
| i -        |      | biorecript licals sharibt licals himalibut licals citalilicibt | US-PGPUB; | 200 1/10/11 13.03    |
|            |      |  |           |                      |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   | 0004/20/11 :: 5-     |
| -          | 107  | protect\$4 near3 plurali\$4 near3 channel\$1                   | USPAT;    | 2004/10/11 14:02     |
|            |      |  | US-PGPUB; |                      |
|            |      |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  | IBM_TDB   |                      |
| -          | 15   | (protect\$4 near3 plurali\$4 near3 channel\$1) and (dwdm       | USPAT;    | 2004/10/11 13:07     |
|            |      | wdm)   | US-PGPUB; |                      |
|            |      | 1.4/   | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
|            |      |  |           |                      |
|            | _    | (11500500011) DA   | IBM_TDB   | 2004/40/44 42 42     |
| -          | 2    | ("5805320").PN.  | USPAT;    | 2004/10/11 13:12     |
|            | 1    |  | US-PGPUB; |                      |
|            | 1    |  | EPO; JPO; |                      |
|            |      |  | DERWENT;  |                      |
| 1          | İ    |  | IBM_TDB   |                      |

|   | 7     | switch\$4 near3 respect\$4 near3 protect\$4 near3 channel\$1                         | USPAT;                 | 2004/10/11 13:24 |
|---|-------|--|------------------------|------------------|
|   | /     | Switchip i fical 5 respects i fical 5 protects i fical 5 chamely 1                   | US-PGPUB;              | 2001/10/11 15:21 |
|   |       |  | EPO; JPO;              |                  |
|   |       |  | DERWENT;               |                  |
|   |       |  | IBM_TDB                |                  |
| - | 11    | 09/119562  | USPAT;                 | 2004/10/11 13:24 |
|   |       |  | US-PGPUB;              |                  |
|   |       |  | EPO; JPO;              |                  |
|   |       |  | DERWENT;               |                  |
|   | 070   | 11114 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | IBM_TDB                | 2004/40/44 42:20 |
| - | 872   | multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1                           | USPAT;                 | 2004/10/11 13:30 |
|   |       |  | US-PGPUB;<br>EPO; JPO; |                  |
|   |       |  | DERWENT;               |                  |
|   |       |  | IBM_TDB                | :                |
| _ | 37    | (US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or                                  | USPAT;                 | 2004/10/11 13:28 |
|   | 3,    | US-6512611-\$ or US-6278689-\$ or US-6222653-\$ or                                   | US-PGPUB;              | 2001/10/11 13:20 |
|   |       | US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or                                   | DERWENT                |                  |
|   | 1     | US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or                                   |                        |                  |
|   | 1     | US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or                                   |                        |                  |
| 1 |       | US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or                                   |                        |                  |
|   |       | US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or                                   |                        |                  |
|   |       | US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or                                   |                        |                  |
|   |       | US-6396969-\$ or US-5805320-\$).did. or  |                        |                  |
|   |       | (US-20020071154-\$ or US-20020114031-\$ or   |                        |                  |
|   |       | US-20020067523-\$ or US-20020075538-\$ or  |                        |                  |
|   |       | US-20030194231-\$ or US-20030215231-\$ or US-20020067883-\$ or US-20020048066-\$ or  |                        |                  |
|   |       | US-20020018616-\$).did. or (EP-949777-\$ or  |                        |                  |
|   |       | US-5875272-\$).did.  |                        |                  |
| - | 0     | (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1)                         | USPAT;                 | 2004/10/11 13:29 |
|   |       | and ((US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or                             | US-PGPUB;              |                  |
|   |       | US-6512611-\$ or US-6278689-\$ or US-6222653-\$ or                                   | EPO; JPO;              |                  |
|   |       | US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or                                   | DERWENT;               |                  |
|   |       | US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or                                   | IBM_TDB                |                  |
|   |       | US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or                                   |                        |                  |
|   |       | US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or                                   |                        |                  |
|   |       | US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or                                   |                        |                  |
|   |       | US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or                                   |                        |                  |
|   |       | US-6396969-\$ or US-5805320-\$).did. or  |                        |                  |
|   |       | (US-20020071154-\$ or US-20020114031-\$ or US-20020067523-\$ or US-20020075538-\$ or |                        |                  |
|   |       | US-20030194231-\$ or US-20030215231-\$ or  |                        |                  |
|   |       | US-20020067883-\$ or US-20020048066-\$ or  |                        |                  |
|   |       | US-20020018616-\$).did. or (EP-949777-\$ or  |                        |                  |
|   |       | US-5875272-\$).did.)   | 1                      |                  |
| _ | 10470 | multi\$4 near3 channel\$1 near3 signal\$1  | USPAT;                 | 2004/10/11 13:29 |
|   | 20.70 |  | US-PGPUB;              |                  |
|   |       |  | EPO; JPO;              |                  |
|   |       |  | DERWENT;               |                  |
|   | 1     |  | IBM_TDB                |                  |

| -            | 2   | (multi\$4 near3 channel\$1 near3 signal\$1) and                                   | USPAT;    | 2004/10/11 13:29  |
|--------------|-----|---|-----------|-------------------|
|              |     | ((US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or                              | US-PGPUB, |                   |
|              |     | ÙS-6512611-\$ or US-6278689-\$ or US-6222653-\$ or                                | EPO; JPO; |                   |
|              |     | US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or                                | DERWENT;  |                   |
| -            |     | US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or                                | IBM_TDB   |                   |
|              |     | US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or                                |           |                   |
|              |     | US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or                                |           |                   |
|              |     | US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or                                |           |                   |
|              |     | US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or                                |           |                   |
|              |     | US-6396969-\$ or US-5805320-\$).did. or   |           |                   |
|              |     | (US-20020071154-\$ or US-20020114031-\$ or  |           |                   |
|              | İ   | US-20020071134-5 of US-2002011-031 5 of US-20020067523-\$ or US-20020075538-\$ or |           |                   |
|              |     | US-20030194231-\$ or US-20030215231-\$ or   |           |                   |
|              |     | US-20020067883-\$ or US-20020048066-\$ or   |           |                   |
|              |     |   |           |                   |
|              |     | US-20020018616-\$).did. or (EP-949777-\$ or                                       |           |                   |
|              | 334 | US-5875272-\$).did.)  | LICDAT    | 2004/10/11 12:22  |
| <del>-</del> | 221 | (multi\$4 near3 channel\$1 near3 optical\$1).ab. and (dwdm                        | USPAT;    | 2004/10/11 13:32  |
|              |     | wdm)  | US-PGPUB; |                   |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| -            | 0   | (multi\$4 near3 channel\$1 near3 optical\$1 near3                                 | USPAT;    | 2004/10/11 13:31  |
|              |     | protect\$4).ab. and (dwdm wdm)  | US-PGPUB; |                   |
|              |     | ·   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| -            | 5   | (multi\$4 near3 channel\$1 near3 optical\$1).ab. and (dwdm                        | USPAT;    | 2004/10/11 13:42  |
|              |     | wdm) and protect\$4 and ring\$1   | US-PGPUB; |                   |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| _            | 2   | ("6735392").PN.   | USPAT;    | 2004/10/11 14:02  |
|              |     | ( 0/33332 ).111.  | US-PGPUB; | 200 1/10/11 17.02 |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| l <u>.</u>   | 8   | ("5406549"   "5777761"   "5933258"   "6046833"                                    | USPAT     | 2004/10/11 13:42  |
| -            | 6   |   | USFAI     | 2007/10/11 13:42  |
|              |     | "6154296"   "6282334"   "6331906"   "6570872").PN.                                | LISDAT.   | 2004/10/11 14:02  |
| -            | 0   | plurali\$4 near3 channel\$1 near3 failure\$1 near3 rings                          | USPAT;    | 2004/10/11 14:03  |
|              |     |   | US-PGPUB; |                   |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   | 2004/40/44 44 65  |
| -            | 2   | (plurali\$4 near3 channel\$1 near3 failure\$1) and (wdm                           | USPAT;    | 2004/10/11 14:03  |
|              |     | dwdm)   | US-PGPUB; |                   |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| -            | 19  | (channels near3 failures) and (wdm dwdm)  | USPAT;    | 2004/10/11 14:09  |
|              |     |   | US-PGPUB; |                   |
|              |     |   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| -            | o   | ((two or dual\$1) near3 channels near3 failures) and (optical                     | USPAT;    | 2004/10/11 14:09  |
|              |     | near10 rings)   | US-PGPUB; | === 1, ==, == 235 |
|              |     | ···   | EPO; JPO; |                   |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   |                   |
| _            | 0   | (channels adj1 failures) and (optical near10 rings)                               | USPAT;    | 2004/10/11 14:09  |
| ] ~          | "   | r (chaineis aujt ianures) anu (optical nearto iings)                              | US-PGPUB; | 2007/10/11 17.09  |
|              |     |   |           |                   |
|              |     |   | EPO; JPO; | 1                 |
|              |     |   | DERWENT;  |                   |
|              |     |   | IBM_TDB   | 1                 |

| - | 2   | (channels adj1 failures) and (optical and rings)   | USPAT;    | 2004/10/11 14:10                        |
|---|-----|--|-----------|---|
|   |     |  | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| - | 1   | (dual adj1 failures) and (optical and rings)   | USPAT;    | 2004/10/11 14:10                        |
|   | ]   |  | US-PGPUB; |   |
|   | ]   |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| _ | 0   | (tributar\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm   | USPAT;    | 2004/10/11 14:35                        |
|   |     | wdm)   | US-PGPUB; | , |
|   |     | ,  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   | į   |  | IBM_TDB   |   |
|   | 0   | (drop\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm   | USPAT;    | 2004/10/11 14:35                        |
|   |     | wdm)   | US-PGPUB; | 200 1/10/11 11.33                       |
|   |     | waiii)   | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  |           |   |
|   |     | (Awith where the annual observation of the state of the s | IBM_TDB   | 2004/10/11 14:25                        |
| - | 0   | (tributar\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm   | USPAT;    | 2004/10/11 14:35                        |
|   |     | wdm)   | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   | _   |  | IBM_TDB   |   |
| - | 0   | (tributar\$4 near3 failur\$4).ab. and (dwdm wdm)   | USPAT;    | 2004/10/11 14:35                        |
|   |     |  | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| - | 0   | (dop\$4 near3 failur\$4).ab. and (dwdm wdm)  | USPAT;    | 2004/10/11 14:35                        |
|   |     |  | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  | į                                       |
|   |     |  | IBM_TDB   |   |
| - | 0   | (tributar\$4 near3 channel\$1 near3 failur\$4) and (dwdm   | USPAT;    | 2004/10/11 14:35                        |
|   |     | wdm)   | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| - | 14  | (drop\$4 near3 channel\$1 near3 failur\$4) and (dwdm wdm)  | USPAT;    | 2004/10/11 14:42                        |
|   |     |  | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| - | 198 | 1:n and (dwdm wdm)   | USPAT;    | 2004/10/11 14:42                        |
|   |     |  | US-PGPUB; |   |
|   |     |  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  | IBM_TDB   |   |
| _ | 12  | (1:n).ab. and (dwdm wdm)   | USPAT;    | 2004/10/11 14:42                        |
|   | **  | (1.11).ab. and (awain wain)  | US-PGPUB; | 200 1/10/11 17.72                       |
|   |     | *  | EPO; JPO; |   |
|   |     |  | DERWENT;  |   |
|   |     |  |           |   |
| L |     |  | IBM_TDB   | L                                       |